

Patent Abstracts of Japan

PUBLICATION NUMBER : 62233293
PUBLICATION DATE : 13-10-87

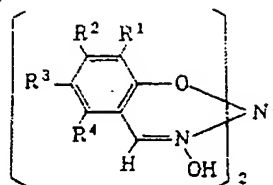
APPLICATION DATE : 03-04-86
APPLICATION NUMBER : 61077322

APPLICANT : FUJI PHOTO FILM CO LTD;

INVENTOR : ONO SHIGERU;

INT.CL. : B41M 5/26 G11B 7/24

TITLE : OPTICAL RECORDING MEDIUM



(I)

ABSTRACT : PURPOSE: To obtain an optical recording medium which is improved in reproducibility and provided with a recording layer containing a dyestuff having a specific maximum absorption wavelength, by providing the recording layer containing a specific compound on the substrate.

CONSTITUTION: A recording layer containing a dyestuff of 700nm or more maximum absorption wavelength and also a compound shown by a formula (I) is provided on a substrate. In the formula (I): R¹ designates a group capable of forming a hydrogen bond, R², R³ and R⁴ respectively designate an alkyl group, an aryl group, a cycloalkyl group or a heterocycle group, which bond a hydrogen atom, a halogen atom a hydroxyl group, or a cyano group directly to a carbon atom on the benzene ring or indirectly through a bivalent linking group, or R¹ and R², R² and R³ or R³ and R⁴ designate a non-metallic atom group required for forming a hexacyclic compound by bonding with each other. The compound shown by the formula (I) is contained, for example, approximately 0.01~12mol for 1mol of the dyestuff. In this manner, the deterioration by reproduction is remarkably reduced. The recording layer is usually made to be, for instance, approximately 0.03~10μm thick.

COPYRIGHT: (C)1987,JPO&Japio

BEST AVAILABLE COPY